

P23853.A01



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Stephen PALM

Group Art Unit:2739

Appln. No. : 10/621,351

Examiner:

Filed : July 18, 2003

For : ACTIVATION OF MULTIPLE xDSL MODEMS WITH HALF AND A FULL DUPLEX PROCEDURES

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Alexandria, VA 22313-1450

Sir :

In accordance with the duty of disclosure under 37 C.F.R. §1.56, §1.97-1.98, Applicant hereby calls the following documents, which were cited during the prosecution of parent Application No. 09/473,683, to the Examiner's attention:

In an Information Disclosure Statement filed in the above-mentioned parent application on April 7, 2000, the following documents (i.e., documents 1-30) were called to the Examiner's attention:

In an International Search Report in related International application PCT/US99/00519, mailed on April 20, 1999 the following documents were cited:

- (1) U.S. Patent 5,668,857 to McHALE, which issued on September 16, 1997;
- (2) U.S. Patent 5,781,617 to McHALE, which issued on July 14, 1998;
- (3) U.S. Patent 5,852,655 to McHALE, which issued on December 22, 1998;
- (4) U.S. Patent 5,410,343 to CODDINGTON et al, which issued on April 25, 1995; and

(5) U.S. Patent 5,757,803 to RUSSELL et al., which issued on May 26, 1998.

In an International Search Report mailed on September 10, 1999 in related PCT Application PCT/US99/06986 the following documents were cited:

- (6) U.S. Patent No. 5,796,808 to SCOTT et al., which issued on August 18, 1998;
- (7) U.S. Patent No. 5,751,914 to COLEY et al., which issued on May 12, 1998;
- (8) U.S. Patent No. 5,448,566 to RICHTER et al., which issued on September 5, 1995;
- (9) U.S. Patent No. 5,163,131 to ROW et al., which issued on November 10, 1992;
- (10) U.S. Patent No. 5,311,578 to BREMER et al., which issued on May 10, 1994;
- (11) U.S. Patent No. 4,680,773 to AMUNDSON, which issued on July 14, 1987;
- (12) U.S. Patent No. 5,463,661 to MORAN, III et al., which issued on October 31, 1995;
- (13) U.S. Patent No. 5,644,573 to BINGHAM et al., which issued on July 1, 1997;
- (14) U.S. Patent No. 5,715,277 to GOODSON et al., which issued on February 3 1998; and
- (15) U.S. Patent No. 5,608,764 to SUGITA et al., which issued on March 4, 1997.

A Notice of the Reason for the Rejection (Office Action), which issued on September 30, 1999, for related Japanese Patent Application No. HEI 11-3235, in which the following documents were cited:

- (16) U.S. Patent No. 5,903,608 to CHUN, which issued on May 11, 1999;
- (17) U.S. Patent No. 5,910,970, to LU, which issued on June 8, 1999;
- (18) U.S. Patent No. 5,805,669 to BINGEL et al., which issued on September 8, 1998;
- (19) U.S. Patent No. 5,400,322 to HUNT et al., which issued on March 21, 1995;
- (20) U.S. Patent No. 5,479,447 to CHOW et al., which issued on December 26, 1995; and

(21) An article published in the periodical, "Nikkei Communications," vol. 252, August 18, 1997, pages 80-89, along with an English translation of the relevant portion of the document.

A copy of an Australian Patent Office Written Opinion mailed on February 2, 2000 with respect to related Singapore Application No. SG 9904001-6 , in which the following documents were cited:

(22) PCT Application WO 97/49229, along with English language family member U.S. Patent 5,796,808;

(23) U.S. Patent 5,751,914 (mentioned above);

(24) U.S. Patent 5,163,131 (mentioned above);

(25) U.S. Patent 5,448,566 (mentioned above);

(26) U.S. Patent 5,311,578 (mentioned above);

(27) U.S. Patent 4,680,773 (mentioned above);

(28) U.S. Patent 5,463,661 (mentioned above);

(29) U.S. Patent 5,644,573 (mentioned above); and

(30) U.S. Patent 5,715,277 (mentioned above).

In a Supplemental Information Disclosure Statement filed in the above-mentioned parent application on July 27, 2000, the following documents (i.e., documents 31-33) were called to the Examiner's attention:

An International Search Report mailed on April 27, 2000 with respect to related PCT Application No. PCT/US99/30006, in which the following documents were cited:

(31) U.S. Patent No. 5,682,419 to GRUBE et al., which issued on October 28, 1997;

- (32) U.S. Patent No. 5,349,635 to SCOTT, which issued on September 20, 1994; and
- (33) U.S. Patent No. 4,897, 831 to NEGI et al., which issued on January 30, 1990.

In a Supplemental Information Disclosure Statement filed in the above-mentioned parent application on November 2, 2000, the following documents (i.e., documents 34-38) were called to the Examiner's attention:

An International Search Report mailed on August 2, 2000 with respect to related PCT Application No. PCT US00/08227, in which the following documents were cited:

- (34) U.S. Patent No. 5,463,382 to NIKAS et al., which issued on October 31, 1995; and
- (35) U.S. Patent No. 5,377,188 to SEKI, which issued on December 27, 1994.

An International Search Report mailed on August 28, 2000 with respect to related PCT Application No. PCT US00/40019 the following documents were cited:

- (36) U.S. Patent No. 5,321,722 to OGAWA, which issued on June 14, 1994;
- (37) U.S. Patent No. 5,912,921 to WARREN et al., which issued on June 15, 1999; and
- (38) U.S. Patent No. 6,064,693 to OLIVER et al., which issued on May 16, 2000.

In a Supplemental Information Disclosure Statement filed in the above-mentioned parent application on February 15, 2001, the following documents (i.e., documents 39-41) were called to the Examiner's attention:

A Written Opinion issued by the Australian Patent Office on January 9, 2001, for counterpart Singapore Patent Application No. SG 0003733-3, in which the following documents were cited:

- (39) U.S. Patent No. 5,682,419 to GRUBE et al.(mentioned above);
- (40) U.S. Patent No. 5,349,635 to SCOTT (mentioned above); and

(41) U.S. Patent No. 4,897,831 to NEGI et al. (mentioned above).

In a Supplemental Information Disclosure Statement filed in the above-mentioned parent application on September 10, 2001, the following documents (i.e., documents 42-44) were called to the Examiner's attention:

An Australian Written Opinion mailed on July 17, 2001 with respect to related Application No. SG 0003733-3, in which the following documents were cited:

(42) U.S. Patent No. 4,897,831 to NEGI et al. (mentioned above);

(43) U.S. Patent No. 5,349,635 to SCOTT (mentioned above); and

(44) U.S. Patent No. 5,682,419 to GRUBE et al. (mentioned above).

In a Supplemental Information Disclosure Statement filed in the above-mentioned parent application on April 9, 2002, the following documents (i.e., documents 45-47) were called to the Examiner's attention:

A Supplemental European Search Report mailed on March 13, 2002 with respect to related European Application No. EP 99 96 7373, in which the following documents were cited:

(45) U.S. Patent No. 4,897,831 to NEGI et al. (mentioned above);

(46) U.S. Patent No. 5,349,635 to SCOTT (mentioned above); and

(47) U.S. Patent No. 5,682,419 to GRUBE et al. (mentioned above).

In a Supplemental Information Disclosure Statement filed in the above-mentioned parent application on March 14, 2003, the following documents (i.e., documents 48-50) were called to the Examiner's attention:

A Canadian Office Action dated February 11, 2003 with respect to related Canadian

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Application No. 2,322,581, in which the following documents were cited:

(48) Canadian Patent No. 2,027,230 to YANG et al., which was published on April 18, 1995;

(49) Canadian Patent Application No. 2,111,543 to SCOTT, which was published on June 18, 1994; and

(50) U.S. Patent No. 5,349,635 to SCOTT (mentioned above).

In a Supplemental Information Disclosure Statement filed in the above-mentioned parent application on August 8, 2003, the following document (i.e., documents 51) were called to the Examiner's attention:

A Canadian Office Action mailed on June 18, 2003, with respect to related Application No. 2,417,991, in which the following document was cited:

(51) U.S. Patent No. 5,280,586 to KUNTZ et al., which issued on January 18, 1994.

In a Supplemental Information Disclosure Statement filed in the above-mentioned parent application on September 15, 2003, the following documents (i.e., documents 52-55) were called to the Examiner's attention:

A Supplementary Partial European Search Report mailed on July 14, 2003 with respect to related European Application No. EP 99 91 4300, in which the following documents were cited:

(52) European Patent Application No. EP 0 974 202 & International Publication No. WO 99/35756, which was published on July 15, 1999;

(53) European Patent Application No. EP 0 820 168, which was published on January 21, 1998;

(54) U.S. Patent No. 6,002,722, which issued on December 14, 1999; and

(55) U.S. Patent No. 5,644,573 (mentioned above).

The following documents (i.e., documents 56-59) were cited by the Examiner of the above-mentioned parent application in an Office Action mailed on March 26, 2003.

(56) U.S. Patent No. 4,924,456 to MAXWELL et al., which issued on May 8, 1990;

(57) U.S. Patent No. 5,103,446 to FISCHER, which issued on April 7, 1992;

(58) U.S. Patent No. 6,366,567 to SINGH et al., which issued on April 2, 2002; and

(59) U.S. Patent No. 6,263,016 to BELLENGER et al., which issued on July 17, 2001.

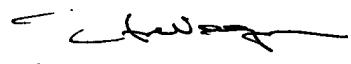
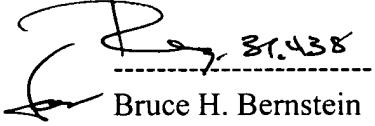
Applicant notes that the above-mentioned documents were previously submitted in Information Disclosure Statements or cited by the Examiner during the prosecution of parent application no. 09/473,683, and thus, copies of the same are not attached hereto.

Applicant respectfully request that the Examiner consider the above materials and cite the patent documents. The above-noted documents are listed on a PTO-1449 Form which is attached hereto. The Examiner is requested to initial the appropriate spaces on the attached PTO-1449 Form and to return a copy of the form to Applicant with the next official communication in the present application to confirm consideration of these documents.

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully submitted,  
Stephen PALM

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|---|--|--|--|--|--|--|--|--|--|--|--|----------------------------|--|--------------------------|--|
| Form PTO-1449   |  |  |  |  |  |  |  |  |  | U.S. Department of Commerce<br>Patent and Trademark Office |  | Atty. Docket No.<br>P23853 |  | Serial No.<br>10/621,351 |  |
| INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT<br>(Use several sheets if necessary) |  |  |  |  |  |  |  |  |  | Applicant<br>Stephen PALM                                  |  |                            |  |                          |  |
|   |  |  |  |  |  |  |  |  |  | Filing Date<br>July 18, 2003                               |  | Group<br>2739              |  |                          |  |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER |   |   |   |   |   |   | DATE     | NAME              |  | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|-----------------|---|---|---|---|---|---|----------|-------------------|--|-------|----------|----------------------------|
|                  | 5               | 6 | 6 | 8 | 8 | 5 | 7 | 09/16/97 | McHALE            |  |       |          |                            |
|                  | 5               | 7 | 8 | 1 | 6 | 1 | 7 | 07/14/98 | McHALE            |  |       |          |                            |
|                  | 5               | 8 | 5 | 2 | 6 | 5 | 5 | 12/22/98 | McHALE            |  |       |          |                            |
|                  | 5               | 4 | 1 | 0 | 3 | 4 | 3 | 04/25/95 | CODDINGTON et al. |  |       |          |                            |
|                  | 5               | 7 | 5 | 7 | 8 | 0 | 3 | 05/26/98 | RUSSELL et al.    |  |       |          |                            |
|                  | 5               | 7 | 9 | 6 | 8 | 0 | 8 | 08/18/98 | SCOTT et al.      |  |       |          |                            |
|                  | 5               | 7 | 5 | 1 | 9 | 1 | 4 | 05/12/98 | COLEY et al.      |  |       |          |                            |
|                  | 5               | 4 | 4 | 8 | 5 | 6 | 6 | 09/05/95 | RICHTER et al.    |  |       |          |                            |
|                  | 5               | 1 | 6 | 3 | 1 | 3 | 1 | 11/10/92 | ROW et al.        |  |       |          |                            |
|                  | 5               | 3 | 1 | 1 | 5 | 7 | 8 | 05/10/94 | BREMER et al.     |  |       |          |                            |
|                  | 4               | 6 | 8 | 0 | 7 | 7 | 3 | 07/14/87 | AMUNDSON          |  |       |          |                            |
|                  | 5               | 4 | 6 | 3 | 6 | 6 | 1 | 10/31/95 | MORAN, III et al. |  |       |          |                            |
|                  | 5               | 6 | 4 | 4 | 5 | 7 | 3 | 07/01/97 | BINGHAM et al.    |  |       |          |                            |
|                  | 5               | 7 | 1 | 5 | 2 | 7 | 7 | 02/03/98 | GOODSON et al.    |  |       |          |                            |
|                  | 5               | 6 | 0 | 8 | 7 | 6 | 4 | 03/04/97 | SUGITA et al.     |  |       |          |                            |
|                  | 5               | 9 | 0 | 3 | 6 | 0 | 8 | 05/11/99 | CHUN              |  |       |          |                            |
|                  | 5               | 9 | 1 | 0 | 9 | 7 | 0 | 06/08/99 | LU                |  |       |          |                            |
|                  | 5               | 8 | 0 | 5 | 6 | 6 | 9 | 09/08/98 | BINGEL et al.     |  |       |          |                            |
|                  | 5               | 4 | 0 | 0 | 3 | 2 | 2 | 03/21/95 | HUNT et al.       |  |       |          |                            |
|                  | 5               | 4 | 7 | 9 | 4 | 4 | 7 | 12/26/95 | CHOW et al.       |  |       |          |                            |
|                  | 5               | 6 | 8 | 2 | 4 | 1 | 9 | 10/28/97 | GRUBE et al.      |  |       |          |                            |
|                  | 5               | 3 | 4 | 9 | 6 | 3 | 5 | 09/20/94 | SCOTT             |  |       |          |                            |
|                  | 4               | 8 | 9 | 7 | 8 | 3 | 1 | 01/30/90 | NEGI et al.       |  |       |          |                            |
|                  | 5               | 4 | 6 | 3 | 3 | 8 | 2 | 10/31/95 | NIKAS et al.      |  |       |          |                            |
|                  | 5               | 3 | 7 | 7 | 1 | 8 | 8 | 12/27/94 | SEKI              |  |       |          |                            |
|                  | 5               | 3 | 2 | 1 | 7 | 2 | 2 | 06/14/94 | OGAWA             |  |       |          |                            |

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



|   |  |  |  |  |  |  |  |  |  |  |                            |                          |  |
|---|--|--|--|--|--|--|--|--|--|--|----------------------------|--------------------------|--|
| Form PTO-1449   |  |  |  |  |  |  |  |  |  | U.S. Department of Commerce<br>Patent and Trademark Office | Atty. Docket No.<br>P23853 | Serial No.<br>10/621,351 |  |
| INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT<br>(Use several sheets if necessary) |  |  |  |  |  |  |  |  |  | Applicant<br>Stephen PALM                                  |                            |                          |  |
|   |  |  |  |  |  |  |  |  |  | Filing Date<br>July 18, 2003                               | Group<br>2739              |                          |  |

**U.S. PATENT DOCUMENTS**

|  |  |   |   |   |   |   |   |   |          |                  |  |  |  |
|--|--|---|---|---|---|---|---|---|----------|------------------|--|--|--|
|  |  | 5 | 9 | 1 | 2 | 9 | 2 | 1 | 06/15/99 | WARREN et al.    |  |  |  |
|  |  | 6 | 0 | 6 | 4 | 6 | 9 | 3 | 05/16/00 | OLIVER et al.    |  |  |  |
|  |  | 5 | 2 | 8 | 0 | 5 | 8 | 6 | 01/18/94 | KUNTZ et al.     |  |  |  |
|  |  | 6 | 0 | 0 | 2 | 7 | 2 | 2 | 12/14/99 | WU               |  |  |  |
|  |  | 4 | 9 | 2 | 4 | 4 | 5 | 6 | 05/08/90 | MAXWELL et al.   |  |  |  |
|  |  | 5 | 1 | 0 | 3 | 4 | 4 | 6 | 04/07/92 | FISCHER          |  |  |  |
|  |  | 6 | 3 | 6 | 6 | 5 | 6 | 7 | 04/02/02 | SINGH et al.     |  |  |  |
|  |  | 6 | 2 | 6 | 3 | 0 | 1 | 6 | 07/17/01 | BELLENGER et al. |  |  |  |
|  |  |   |   |   |   |   |   |   |          |                  |  |  |  |
|  |  |   |   |   |   |   |   |   |          |                  |  |  |  |

**FOREIGN PATENT DOCUMENTS**

|  |   | DOCUMENT NUMBER |   |   |   |   |   |   | DATE     | COUNTRY  |  | CLASS | SUBCLASS | TRANSLATION<br>YES      NO |
|--|---|-----------------|---|---|---|---|---|---|----------|----------|--|-------|----------|----------------------------|
|  | 9 | 7               | / | 4 | 9 | 2 | 2 | 9 | 12/24/97 | W.I.P.O. |  |       |          |                            |
|  |   | 2               | 0 | 2 | 7 | 2 | 3 | 0 | 04/18/95 | CANADA   |  |       |          |                            |
|  |   | 2               | 1 | 1 | 1 | 5 | 4 | 3 | 06/18/94 | CANADA   |  |       |          |                            |
|  |   | 0               | 9 | 7 | 4 | 2 | 0 | 2 | 01/26/00 | E.P.O.   |  |       |          |                            |
|  | 9 | 9               | / | 3 | 5 | 7 | 5 | 6 | 07/15/99 | W.I.P.O. |  |       |          |                            |
|  |   | 0               | 8 | 2 | 0 | 1 | 6 | 8 | 01/21/98 | E.P.O.   |  |       |          |                            |
|  |   |                 |   |   |   |   |   |   |          |          |  |       |          |                            |

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

|  |  |   |   |
|--|--|---|---|
|  |  | 1 | An article published in the periodical, "Nikkei Communications," vol. 252, August 18, 1997, pages 80-89, along with an English translation of the relevant portion of the document. |
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\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.